

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**HUMAN ENDOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AAND III**

the specification of which [ ] is attached hereto or [X] was filed on March 21, 1997 as Application Serial No. 08/821,451.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed. Prior Foreign Application(s):

			<u>Priority Claimed</u>	
<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>	<input type="checkbox"/>	<input type="checkbox"/>

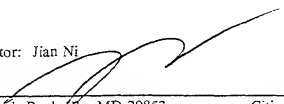
I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>60/014724</u>	<u>March 21, 1996</u>	<u>pending</u>
(Provisional Application Serial No.)	(Filing Date)	(Status - patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: John N. Bain (Reg. No. 18,651); John G. Gilfillan, III (Reg. No. 22,746); Elliot M. Olstein (Reg. No. 24,025); Raymond J. Lillie (Reg. No. 31,778); Charles J. Herron (Reg. No. 28,019); William Squire (Reg. No. 25,378); and J. G. Mullins (Reg. No. 33,073). Address correspondence and telephone calls to Charles J. Herron c/o Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart & Olstein, 6 Becker Farm Road, Roseland, NJ 07068 - (201) 994-1700.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: Jian Ni

Inventor's signature: 

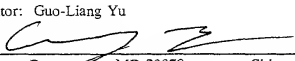
Residence: 5502 Manorfield Road, Rockville, MD 20853

Citizenship: USA

Post Office Address: same

Date: 12/19/97

Full name of second joint inventor: Guo-Liang Yu

Inventor's signature: 

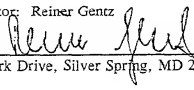
Residence: 13524 Straw Bale Lane, Darnestown, MD 20878

Citizenship: China

Post Office Address: same

Date: 1/22/98

Full name of third joint inventor: Reiner Gentz

Inventor's signature: 

Residence: 13404 Fairland Park Drive, Silver Spring, MD 20904

Citizenship: Germany

Post Office Address: same

Date: 1-12-98

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: NI et al.

Application Serial No.: 08/821,451

Art Unit: 1652

Filed: March 21, 1997

Examiner: Patterson, C.

For: Human Endometrial Specific Steroid-  
Binding Factor I, II, and III

Attorney Docket No.: PF257

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST/  
REVOCATION OF PRIOR POWER OF ATTORNEY**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Human Genome Sciences, Inc., organized and existing under the laws of the State of Delaware, having its principal place of business at 9410 Key West Avenue, Rockville, Maryland 20850, is assignee of record of the entire right, title and interest for the above-identified application by virtue of an assignment filed concurrently herewith in the U.S. Patent and Trademark Office, a copy of which is attached hereto as Exhibit 1.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The assignee hereby revokes all powers of attorney heretofore given in the above-captioned application and appoints as its attorneys James H. Davis, Registration No. 40,582; A. Anders Brookes, Registration No. 36, 373; and Kenley K. Hoover, Registration No. 40,302, with full power of substitution, association, and revocation, to prosecute said application and to transact all business in the United States Patent and Trademark Office connected therewith.

The assignee also requests that the correspondence address be changed to the following:

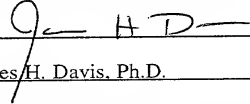
**James H. Davis, Esq.  
Human Genome Sciences, Inc.  
9410 Key West Avenue  
Rockville, Maryland 20850  
Phone: 301-309-8504  
Fax: 301-309-8439**

The undersigned, whose title is supplied below, is empowered to sign this document on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application captioned above or of any patent issuing thereon.

On behalf of Human Genome Sciences, Inc.

For: Human Genome Sciences, Inc

Signature: 

By: James H. Davis, Ph.D.

Title: Senior Vice President and General Counsel

Date: 12/11/98

Enclosure

MW/lcc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Ni, *et al.*

Issue Batch No.: K04

Application Serial No.: 09/583,169

Date Allowed: August 1, 2001

Filed: May 30, 2000

Art Unit: 1652

For: Human Endometrial Specific Steroid-  
Binding Factor I, II, and III

Examiner: Patterson, C.

Attorney Docket No.: PF257D2

ASSOCIATE POWER OF ATTORNEY

Assistant Commissioner for Patents  
Washington, D.C. 20231

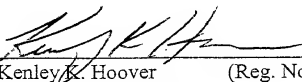
Sir:

Applicants' attorney hereby appoints all Practitioners at **Customer Number 22195** as its attorneys or agents with full power of substitution, association, and revocation to prosecute the application identified above, including any continuation or divisional applications, and to transact all business in the U.S. Patent and Trademark Office connected therewith.

Applicants' attorney also requests that the correspondence address remain the same.

Respectfully submitted,

Dated: October 31, 2001

  
Kenley K. Hoover (Reg. No. 40,302)  
Attorney for Applicants

Human Genome Sciences, Inc.  
9410 Key West Avenue  
Rockville, MD 20850  
Telephone: (301) 610-5771

KKH/lcc

## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Jian NI, Guo-Liang YU, and Reiner L. GENTZ, hereby sell(s), assign(s) and transfer(s) to **Human Genome Sciences, Inc.** ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as:

### Human Endometrial Specific Steroid-Binding Factor I, II, and III

for which application for United States Letters Patent was filed on March 21, 1997, and assigned Serial No. 08/821,451, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Patent Rights").

The undersigned further agrees that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

The undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

The undersigned hereby grants the power to A. Anders Brookes (Reg. No. 36,373), James H. Davis (Reg. No. 40,582) and Kenley K. Hoover (Reg. No. 40,302) of Human Genome Sciences, Inc., 9410 Key West Avenue, Rockville, Maryland, 20850 to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature: \_\_\_\_\_

Jian Ni

Date: 12/3/98

Inventor's Signature: \_\_\_\_\_

Guo-Liang Yu

Date: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_

Reiner L. Gentz

Date: 12/3/98

## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Jian NI, Guo-Liang YU, and Reiner L. GENTZ, hereby sell(s), assign(s) and transfer(s) to **Human Genome Sciences, Inc.** ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as:

### Human Endometrial Specific Steroid-Binding Factor I, II, and III

for which application for United States Letters Patent was filed on March 21, 1997, and assigned Serial No. 08/821,451, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other patent applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Patent Rights").

The undersigned further agrees that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

The undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

The undersigned hereby grants the power to A. Anders Brookes (Reg. No. 36,373), James H. Davis (Reg. No. 40,582) and Kenley K. Hoover (Reg. No. 40,302) of Human Genome Sciences, Inc., 9410 Key West Avenue, Rockville, Maryland, 20850 to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Jian Ni

Inventor's Signature: \_\_\_\_\_ Date: 12/8/98

Guo-Liang Yu

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Reiner L. Gentz